

DEPARTMENT OF TRANSPORTATION
STATE OF GEORGIA
SUPPLEMENTAL SPECIFICATION

Section 841—Iron Pipe

Delete Section 841 and substitute the following:

841.1 General Description

This section includes the requirements for iron pipe, including cast iron soil pipe and fittings, and ductile iron pipe and appurtenances.

841.1.01 Related References

A. Standard Specifications

[Section 106—Control of Materials](#)

[Section 848—Pipe Appurtenances](#)

B. Referenced Documents

ASTM A 74

ASTM B 29

ASTM C 564

ANSI/AWWA A 21.4

ANSI/AWWA A 21.10

ANSI/AWWA A 21.11

ANSI/AWWA A 21.50

ANSI/AWWA A 21.51

ANSI/AWWA A 21.53

841.2 Materials

For each item in this Section, submit a certification from the manufacturer as per the requirements in [Subsection 106.05, “Materials Certification.”](#)

Include the chemical and physical properties of the materials and their conformance with this Specification on the certification.

841.2.01 Cast Iron Soil Pipe and Fittings

A. Requirements

1. Type

Use cast iron soil pipe and fittings that meet the requirements of ASTM A 74, including the inside and outside coatings.

Rubber Gasket Joints: Use rubber gasket joints for cast iron soil pipes that meet the requirements of ASTM C 564.

Lead Joints: Use refined lead that meets the requirements of ASTM B 29. Do not use reclaimed lead.

Plain End Cast Iron Soil Pipe: Plain end cast iron soil pipe may be joined with steel bolted couplings if they meet the requirements of [Subsection 848.2.02](#).

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

The Department accepts material that is properly certified by the manufacturer.

D. Materials Warranty

General Provisions 101 through 150.

841.2.02 Ductile Iron Pipe and Appurtenances

A. Requirements

Use ductile iron pipe that meets the requirements of ANSI/AWWA A 21.50 and A 21.51 for the class and joint specified.

1. Fittings

Use fittings that meet the requirements of ANSI/AWWA A 21.10 or A21.53 for the class and joint specified.

2. Rubber Gasket Joints

Use rubber gasket joints that meet the requirements of ANSI/AWWA A 21.11.

3. Flanges

Use flanges that meet the requirements of ANSI/AWWA A 21.11.

4. Plain End Ductile Iron Pipe

Plain end ductile iron pipe may be joined with steel-bolted couplings if they meet the requirements of [Subsection 848.2.02](#).

5. Cement Mortar Linings

Use cement mortar linings that meet the requirements of ANSI/AWWA A 21.4. Line all ductile iron pipe and fittings with cement mortar unless specified otherwise.

B. Fabrication

General Provisions 101 through 150.

C. Acceptance

The Department accepts material that is properly certified by the manufacturer.

D. Materials Warranty

General Provisions 101 through 150.